

L Number	Hits	Search Text	DB	Time stamp
1	2206	disrupt\$6 near11 homologous near3 recombinat\$6	USPAT; US-PGPUB	2003/12/03 12:35
2	0	(disrupt\$6 near11 homologous near3 recombinat\$6) same (EST or express\$ adj1 sequence adj1 tag\$1)	USPAT; US-PGPUB	2003/12/03 12:36
3	837	(disrupt\$6 near11 homologous near3 recombinat\$6) and (EST or express\$ adj1 sequence adj1 tag\$1)	USPAT; US-PGPUB	2003/12/03 12:37

(FILE 'HOME' ENTERED AT 10:54:53 ON 03 DEC 2003)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 10:57:28 ON 03 DEC 2003

L1 1401 S PG1 OR PG(W)1
L2 1 S L1 AND ACYLTRANSFERASE#
L3 299 S LYSOPHOSPHATIDIC (9A) ACYLTRANSFERASE#
L4 1 S L3 AND EPSILON
L5 16 S L1 AND PROSTATE (3A) CANCER
L6 11 DUP REM L5 (5 DUPLICATES REMOVED)

FILE 'CAPLUS' ENTERED AT 11:13:43 ON 03 DEC 2003

L7 0 S 6265546
L8 1 S US6265546
L9 1 S L8 AND SEQUENCE

FILE 'REGISTRY' ENTERED AT 11:16:12 ON 03 DEC 2003

L10 1 S 73989-05-6/RN
SET NOTICE 1 DISPLAY
SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 11:17:55 ON 03 DEC 2003

L11 12 S GAGCGGGAGCAGGACAGACAATAACTGATA/SQSN

FILE 'CAPLUS' ENTERED AT 11:19:04 ON 03 DEC 2003

L12 3 S L11

FILE 'STNGUIDE' ENTERED AT 11:21:12 ON 03 DEC 2003

FILE 'CAPLUS' ENTERED AT 11:35:37 ON 03 DEC 2003

L13 1 S 453658-92-9/RN
L14 0 S L13 AND GENBANK

=>

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 CA/CAPLUS records now contain indexing from 1907 to the present
NEWS 4 AUG 05 New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS 5 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 6 AUG 18 Data available for download as a PDF in RDISCLOSURE
NEWS 7 AUG 18 Simultaneous left and right truncation added to PASCAL
NEWS 8 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation
NEWS 9 AUG 18 Simultaneous left and right truncation added to ANABSTR
NEWS 10 SEP 22 DIPPR file reloaded
NEWS 11 SEP 25 INPADOC: Legal Status data to be reloaded
NEWS 12 SEP 29 DISSABS now available on STN
NEWS 13 OCT 10 PCTFULL: Two new display fields added
NEWS 14 OCT 21 BIOSIS file reloaded and enhanced
NEWS 15 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 16 NOV 24 MSDS-CCOHS file reloaded

NEWS EXPRESS NOVEMBER 14 CURRENT WINDOWS VERSION IS V6.01c, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:37:19 ON 03 DEC 2003

=> file medline biosis caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 12:37:27 ON 03 DEC 2003

FILE 'BIOSIS' ENTERED AT 12:37:27 ON 03 DEC 2003

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FILE 'CAPLUS' ENTERED AT 12:37:27 ON 03 DEC 2003

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=> s disrupt? {9a} homolog? {9a} recombina?

L1 1377 DISRUPT? (9A) HOMOLOG? (9A) RECOMBIN?

=> s l1 and (EST or express(w) sequence)

L2 4 L1 AND (EST OR EXPRESS(W) SEQUENCE)

=> d 1-4 ti

L2 ANSWER 1 OF 4 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

Full
References

TI The DT40 web site: Sampling and connecting the genes of a B cell line.

L2 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN

Full
References

TI Endocrine disruptor screening using DNA chips of endocrine disruptor-responsive genes

L2 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN

Full
References

TI The DT40 web site: sampling and connecting the genes of a B cell line

L2 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN

Full
References

TI Moss (*Physcomitrella patens*) expressed sequence tags include several sequences which are novel for plants

=> d 3 bib ab

L2 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN

Full
Text

AN 2002:129791 CAPLUS

DN 136:145956

TI The DT40 web site: sampling and connecting the genes of a B cell line

AU Buerstedde, Jean-Marie; Arakawa, Hiroshi; Watahiki, Akira; Carninci, Piere
Piero; Hayashizaki, Y. Yoshihide; Korn, Bernhard; Plachy, Jiri

CS Dep. Cellular Immunology, Heinrich-Pette-Inst., Hamburg, 20251, Germany

SO Nucleic Acids Research (2002), 30(1), 230-231

CODEN: NARHAD; ISSN: 0305-1048

PB Oxford University Press

DT Journal

LA English

AB Thousands of new vertebrate genes have been discovered and genetic systems are needed to address their functions at the cellular level. The chicken B cell line DT40 allows efficient gene **disruptions** due to its high **homologous recombination** activity. However, cloning the gene of interest is often cumbersome, since relatively few chicken cDNA sequences are present in the public databases. In addn., the accumulation of multiple mutations within the same cell clone is limited by the consumption of one drug-resistance marker for each transfection. Here, the authors present the DT40 web site (<http://genetics.hpi.uni-hamburg.de/dt40.html>), which includes a comprehensive database of chicken bursal ESTs to identify disruption candidate genes and recyclable marker cassettes based on the loxP system. These freely available resources greatly facilitate the anal. of genes and genetic networks.

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 3 kwic

L2 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN

EST
References

AB . . . systems are needed to address their functions at the cellular level. The chicken B cell line DT40 allows efficient gene **disruptions** due to its high **homologous recombination** activity. However, cloning the gene of interest is often cumbersome, since relatively few chicken cDNA sequences are present in the. . .

ST chicken B cell line DT40 **EST** database; gene expression database chicken B cell line DT40; expressed sequence tag database chicken B cell line DT40

IT **EST** (expressed sequence tag)
Gene, animal
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(expressed sequence tags in the DT40 web site provides sampling and connecting of the genes of a chicken bursal B cell line)

=> dhis

DHIS IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> d his

(FILE 'HOME' ENTERED AT 12:37:19 ON 03 DEC 2003)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 12:37:27 ON 03 DEC 2003

L1 1377 S DISRUPT? (9A) HOMOLOG? (9A) RECOMBIN?

L2 4 S L1 AND (EST OR EXPRESS(W)SEQUENCE)

=> s l1 and (EST# or express(w)sequence)

L3 10 L1 AND (EST# OR EXPRESS(W) SEQUENCE)

=> dup rem l3

PROCESSING COMPLETED FOR L3

L4 7 DUP REM L3 (3 DUPLICATES REMOVED)

=> d 1-7 ti

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN

EST
References

TI Endocrine disruptor screening using DNA chips of endocrine disruptor-responsive genes

L4 ANSWER 2 OF 7 MEDLINE on STN

DUPLICATE 1

EST
References

TI The DT40 web site: sampling and connecting the genes of a B cell line.

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN

EST
References

TI Colletotrichum gloeosporioides pelB is an important virulence factor in avocado fruit-fungus interaction

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN

Full
Text

TI SodA and manganese are essential for resistance to oxidative stress in growing and sporulating cells of Bacillus subtilis

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN

Full
Text

TI A yeast mutant lacking thiol-dependent protector protein is hypersensitive to menadione

L4 ANSWER 6 OF 7 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

Full
Text

DUPLICATE 2

TI Moss (Physcomitrella patens) expressed sequence tags include several sequences which are novel for plants.

L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN

Full
Text

TI The lipase gene of Bacillus subtilis 168

=> d 7 bib ab

L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN

Full
Text

AN 1992:167540 CAPLUS

DN 116:167540

TI The lipase gene of Bacillus subtilis 168

AU Colson, C.; Dartois, V.; Schanck, K.; Baulard, A.

CS Lab. Genet. Microb., Univ. Cathol. Louvain, Louvain-la-Neuve, B-1348, Belg.

SO GBF Monographs (1991), 16(Lipases), 277-83
CODEN: GBMOEB; ISSN: 0930-4320

DT Journal

LA English

AB Shotgun cloning of B. subtilis 168 DNA in Escherichia coli yielded two types of lipase-pos. clones designated lipA and lipB. However, the lipB enzyme was an esterase, on the basis of the preferential cleavage of esters of short chain fatty acids and of the absence of fluorescent reaction on triolein/rhodamin G medium. By multiple Tn5 transposon inactivations, gene lipA was **estd.** to be about 700 base pairs long. Both genes were inactivated in B. subtilis by reciprocal **recombination** with the **homologous** gene **disrupted** in vitro by a DNA segment contg. antibiotic resistance (lipA::Km; lipB::Cm). The resulting strain expressed very little residual extracellular lipase-esterase activity. Mapping expts. indicated that lipA is a new locus at about 22°, whereas lipB, at about 306°, could correspond to an esterase gene (**estB**) previously described.

=> d his

(FILE 'HOME' ENTERED AT 12:37:19 ON 03 DEC 2003)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 12:37:27 ON 03 DEC 2003

L1 1377 S DISRUPT? (9A) HOMOLOG? (9A) RECOMBIN?
 L2 4 S L1 AND (EST OR EXPRESS(W)SEQUENCE)
 L3 10 S L1 AND (EST# OR EXPRESS(W)SEQUENCE)
 L4 7 DUP REM L3 (3 DUPLICATES REMOVED)

=> s l1 and random (3a) sequence#

L5 1 L1 AND RANDOM (3A) SEQUENCE#

=> d bib ab

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text	Citation References
--------------	------------------------

AN 2003:97548 CAPLUS

DN 138:148653

TI Methods for in-frame gene **disruption** by **homologous recombination** and
 uses for gene discovery

IN Awrey, Donald E.; Greenblatt, Jack

PA Affinium Pharmaceuticals Inc., Can.

SO PCT Int. Appl., 56 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003010333	A2	20030206	WO 2002-CA1160	20020724
WO 2003010333	A3	20031030		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
 UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
 TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
 CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
 PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
 NE, SN, TD, TG

US 2003082591	A1	20030501	US 2002-202442	20020724
---------------	----	----------	----------------	----------

PRAI US 2001-307461P P 20010724

AB The present invention relates to compns. and methods for in-frame
disruption of a gene sequence by **homologous recombination**.
 Specifically, the invention uses a targeting polynucleotide comprising a
 mol. tag, which maybe a **random sequence** that does not occur in the
 host cell or a sequence encoding for a protein capable of generating a
 selectable or detectable signal, and flanking homol. clamps for in-frame
 disruption of a target gene. The present invention may be used in certain
 embodiments to disrupt a gene without causing any downstream effects on
 non-target sequences. In certain embodiments, the inventive methods may
 be used to identify and/or characterize products encoded by essential
 genes, conditionally essential genes, and non-essential genes.

=> d his

(FILE 'HOME' ENTERED AT 12:37:19 ON 03 DEC 2003)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 12:37:27 ON 03 DEC 2003

L1 1377 S DISRUPT? (9A) HOMOLOG? (9A) RECOMBIN?
 L2 4 S L1 AND (EST OR EXPRESS(W)SEQUENCE)
 L3 10 S L1 AND (EST# OR EXPRESS(W)SEQUENCE)
 L4 7 DUP REM L3 (3 DUPLICATES REMOVED)
 L5 1 S L1 AND RANDOM (3A) SEQUENCE#

=> s l1 and (arbitrar? or random?)

L6 17 L1 AND (ARBITRAR? OR RANDOM?)

=> dup rem l6

PROCESSING COMPLETED FOR L6

L7 12 DUP REM L6 (5 DUPLICATES REMOVED)

=> d 1-12 ti

L7 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

TI
References

TI Methods for in-frame gene **disruption** by **homologous recombination** and uses for gene discovery

L7 ANSWER 2 OF 12 MEDLINE on STN

TI
References

TI PCR-based methods facilitate targeted gene manipulations and cloning procedures.

L7 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

TI
References

TI Biological significance of poly (ADP-ribosyl)ation reactions: molecular and genetic approaches

L7 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

TI
References

TI Construction of the glucose isomerase deficient strain of Streptomyces M1033 by homologous recombination

L7 ANSWER 5 OF 12 MEDLINE on STN DUPLICATE 1

TI
References

TI The absence of cecal colonization of chicks by a mutant of Campylobacter jejuni not expressing bacterial fibronectin-binding protein.

L7 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

TI
References

TI Recombination in the plant genome and its application in biotechnology

L7 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

TI
References

TI Insertion-duplication mutagenesis in Streptococcus pneumoniae: targeting fragment length is a critical parameter in use as a **random** insertion tool

L7 ANSWER 8 OF 12 MEDLINE on STN DUPLICATE 2

TI
References

TI Targeted disruption of Gnas in embryonic stem cells.

L7 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

Citing
References

TI An in vivo method for the detection of microbial virulence genes expressed during the infection of a host

L7 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

Citing
References

TI Immunological screening of homologous recombination in genes that encode surface antigens

L7 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

Citing
References

TI Gene targeting in the Ke4 locus of the mouse in embryonic stem cells

L7 ANSWER 12 OF 12 MEDLINE on STN DUPLICATE 3

Citing
References

TI Insertion and deletion mutagenesis of the human cytomegalovirus genome.

=> d 10 11 7 8 bib a

'A' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):d 10 11 7 8 bib ab

'D' IS NOT A VALID FORMAT

'10' IS NOT A VALID FORMAT

'11' IS NOT A VALID FORMAT

'7' IS NOT A VALID FORMAT

'8' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):end

=> d 7, 8, 10, 11 bib ab

L7 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

Full
Text Citing
References

AN 1998:799233 CAPLUS

DN 130:149237

TI Insertion-duplication mutagenesis in Streptococcus pneumoniae: targeting fragment length is a critical parameter in use as a **random** insertion tool

AU Lee, Myeong S.; Seok, Chaok; Morrison, Donald A.

CS Laboratory for Molecular Biology, Department of Biological Sciences, University of Illinois at Chicago, Chicago, IL, 60607, USA

SO Applied and Environmental Microbiology (1998), 64(12), 4796-4802
CODEN: AEMIDF; ISSN: 0099-2240

PB American Society for Microbiology

DT Journal

LA English


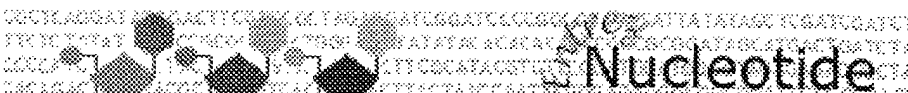
AB To examine whether insertion-duplication mutagenesis with chimeric DNA as a transformation donor could be valuable as a gene knockout tool for genomic anal. in *Streptococcus pneumoniae*, the authors studied the transformation efficiency and targeting specificity of the process by using a nonreplicative vector with homologous targeting inserts of various sizes. Insertional recombination was very specific in targeting homologous sites. While the recombination rate did not depend on which site or region was targeted, it did depend strongly on the size of the targeting insert in the donor plasmid, in proportion to the fifth power of its length for inserts of 100 to 500 bp. The dependence of insertion-duplication events on the length of the targeting homol. was quite different from that for linear allele replacement and places certain limits on the design of mutagenesis expts. The no. of independent pneumococcal targeting fragments of uniform size required to knock out any desired fraction of the genes in a model genome with a defined probability was calcd. from these data by using a combinatorial theory with simplifying assumptions. The results show that efficient and thorough mutagenesis of a large part of the pneumococcal genome should be practical when using insertion-duplication mutagenesis.

RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 8 OF 12 MEDLINE on STN DUPLICATE 2

Full Text
References

AN 97462685 MEDLINE
DN 97462685 PubMed ID: 9322912
TI Targeted disruption of Gnas in embryonic stem cells.
AU Schwindinger W F; Reese K J; Lawler A M; Gearhart J D; Levine M A
CS Division of Endocrinology and Metabolism, The Johns Hopkins University School of Medicine, Baltimore, Maryland 21205, USA..
wschwind@welchlink.welch.jhu.edu
NC DK-34281 (NIDDK)
RR-00052 (NCRR)
RR-00722-22S1 (NCRR)
SO ENDOCRINOLOGY, (1997 Oct) 138 (10) 4058-63.
Journal code: 0375040. ISSN: 0013-7227.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 199710
ED Entered STN: 19971105
Last Updated on STN: 20000303
Entered Medline: 19971023
AB Mutations in the gene encoding the stimulatory G protein of adenylyl cyclase (G alpha(s)) are present in subjects with Albright hereditary osteodystrophy, a syndrome of characteristic developmental defects and, in some patients, resistance to multiple hormones that stimulate cAMP accumulation (pseudohypoparathyroidism type Ia). As the first step in generating a model of Albright hereditary osteodystrophy, the gene encoding G alpha(s) (Gnas) was **disrupted** in mouse embryonic stem (ES) cells by **homologous recombination**. Northern blot analysis and immunoblot analysis demonstrated that steady-state levels of G alpha(s) messenger RNA and G alpha(s) protein in targeted ES cells were approximately 50% of levels in untargeted ES cells. In response to 10 microM forskolin and to various concentrations of isoproterenol (0.1-3.0 microM), cAMP accumulation was reduced in the G alpha(s) knockout ES cell lines, relative to wild-type ES cells and to five of six ES cell lines with **randomly** integrated targeting vector. These results support the

  Nucleotide

Entrez PubMed Nucleotide Protein Genome Structure PMC Taxonomy Bio

Search for

Limits History Details

☐ 1: [N39909.yw68a10.r1 Soares...](#)[gi:1163454]

Links

IDENTIFIERS

dbEST Id: 441359
EST name: yw68a10.r1
GenBank Acc: N39909
GenBank gi: 1163454
GDB Id: 3886980

CLONE INFO

Clone Id: IMAGE:257370 (5')
DNA type: cDNA

PRIMERS

Sequencing: T7
PolyA Tail: Unknown

SEQUENCE

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GATTGGATAATAGAATTTGTGACGAAAGCTGATATGCAATGGTCTTGGGCAAACATACCT
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GCTCTGTCCATTTCTATGAACCTAATGACAACCTTGGAGAAGGCTGGGAGGATTGTGTATT
TTGCCAAGTCAGATGGCTGCATTTTTGAGCCATTAATTTGCCAGCGTATTTCACTTTTNC
TGGTAATTTNCAATTTAATTACAACCTTGACAGCTCCCAANCTCTTAATACCAAAGNT
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Quality: High quality sequence stops at base: 413

Entry Created: Jan 22 1996

Last Updated: Jan 22 1996

COMMENTS

High quality sequence stops: 413
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact
the IMAGE Consortium (info@image.llnl.gov) for further
information.

LIBRARY

Lib Name: Soares_placenta_8to9weeks_2NbHP8to9W
Organism: Homo sapiens
Organ: placenta
Develop. stage: two placentae: one from 8 weeks and another from 9 weeks
post conception
Lab host: DH10B (ampicillin resistant)
Vector: pT7T3D (Pharmacia) with a modified polylinker
R. Site 1: Not I
R. Site 2: Eco RI

Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTACCAATCTGAAGTGGGAGCGGCCGCGATTTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library constructed by Bento Soares and M.Fatima Bonaldo.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu


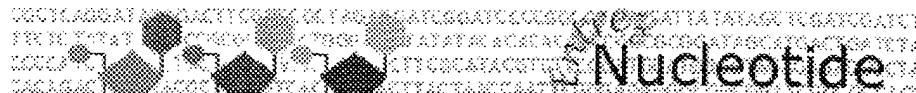
CITATIONS

Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P., Wilson,R.
Year: 1995
Status: Unpublished

MAP DATA

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[NCBI](#) | [NLM](#) | [NIH](#)

Dec 1 2003 12:53:28

  **Nucleotide**

Entrez PubMed Nucleotide Protein Genome Structure PMC Taxonomy

Search for

Limits History Details

Show:

☐ 1: H06164. y177g12.r1 Soares...[gi:869716]

Links

IDENTIFIERS

dbEST Id: 266044
EST name: y177g12.r1
GenBank Acc: H06164
GenBank gi: 869716
GDB Id: 416805

CLONE INFO

Clone Id: IMAGE:44264 (5')
Insert length: 2510
DNA type: cDNA

PRIMERS

Sequencing: M13RP1
PolyA Tail: Unknown

SEQUENCE

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TTAATTCCAAATTAAGTATCAAGAAGACTTTACCATCAATGTTGATCTTAAGTGGTTTGA
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GAACCCCTACTTGGCTGCCTGTGGGTTACTATTAAAGCATAGACAAGTAGCTGTCTCCAGA
CAGTGGGATGTGCTACATTGTCTATTTTTGGCGGCTGCACATGACATCAAATTGTTTCCT
GAATTTATTAAGGAGCTGTAAATAAAGCCTTGTTGATTGAAGATTGGATAATAGAATTTGT
GACGAAAGCTGATATGCAATGGTCTTGGGGCAAACATACCTGGGTTGTACAACCTTTAGCA
TCGGGGCTGCTGGAAGGGGTAAAGCTTAAATGGGAGTTTCTCCCTGGNTCTGTTCCCT
T
```

Quality: High quality sequence stops at base: 316

Entry Created: Jun 21 1995

Last Updated: Jun 21 1995

COMMENTS

Insert Size: 2510
High quality sequence stops: 316
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact
the IMAGE Consortium (info@image.llnl.gov) for further
information.

LIBRARY

Lib Name: Soares infant brain 1NIB
Organism: Homo sapiens
Sex: female
Organ: whole brain
Develop. stage: 73 days post natal
Lab host: DH10B (ampicillin resistant)
Vector: Lafmid BA
R. Site 1: Not I

R. Site 2: Hind III
Description: '1st strand cDNA was primed with a Not I - oligo(dT) primer
[5' AACTGGAAGAATTCGCGGCCGCAGGAATTTTTTTTTTTTTTTTTT 3'];
double-stranded cDNA was ligated to Hind III adaptors
(Pharmacia), digested with Not I and directionally cloned
into the Not I and Hind III sites of the Lafmid BA vector.
Library went through one round of normalization. Library
constructed by Bento Soares and M.Fatima Bonaldo.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

CITATIONS

Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
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Wilson,R.
Year: 1995
Status: Unpublished

MAP DATA

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